October 4, 1996

CC Docket No. 92-237
Administration of the North American Numbering Plan
Carrier Identification Codes (CICs)

REQUEST FOR INFORMATION FROM LUCENT TECHNOLOGIES

This is a response to the request for information of the Federal Communications Commission from Lucent Technologies dated September 25, 1996, relating to 4-Digit Carrier Identification Codes (CICs). This response addresses each of the four questions in the order they were presented. Each question is answered both for network switches and for PBXs.

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Question # 1. When did Lucent have a product available for sale that supports 4 digit CICs?

Network switches:

Lucent Technologies made available 4-Digit CICs on the following dates for the product units listed below.

Product	Release	Availability
1A ESS	1AE12	3/25/94
2B ESS	2BE5	11/1/93
4ESS	4E18R1	1/3/94
5ESS-2000	5E9.1	11/19/93
OSPS	5E9.1	12/15/93

PBXs:

Lucent began offering the DEFINITY product line, that was NANP complian, in 1992. DEFINITY supported both the new proposed area code format change to NNX and the CIC code change to 101-XXXX. Additionally, in early 1993, Lucent began to provide modification software and hardware that supported both format changes for its embedded systems.

Question #2. What percentage of Lucent customers have a system that supports 4 digit CICs?

Network switches:

This is customer proprietary information that has not been made available to Lucent Technologies.

PBXs:

Of Lucent's PBX base of customers who traditionally had the capability to implement the 10-XXX CIC format, we estimate that approximately 65-70% are now equipped to implement the 4-digit CIC code.

Question #3. Does Lucent inform its customers, or any of its distributors, of the steps necessary to enable their systems or systems they distribute to support 4-digit CICs? what are those steps?

Network switches:

Lucent Technologies informed its customers of the steps necessary to enable their systems through orderable document Network Planning Letter, 235-099-242NP, dated February,1993. Specifically, Section 3 - Network Evolution Plan, defines the procedure with the following steps:

3.1 Split FGB and FGD Carrier Identification Code Administration
3.2 Upgrade OS, AP, SCP
3.3 Upgrade LEC Switches
3.4 Upgrade Customer Premises Equipment
3.5 Perform Trunk Signaling Conversions
3.6 Perform Dialing Period Conversion.

PBXs:

In 1993-95, Lucent/AT&T assumed the leadership role in customer education as it related to the proposed NANP changes that were implemented by Bellcore relating to the impending area code format and CIC code changes. Lucent implemented the following customer/industry initiatives to make all aware of the planned changes:

1) Various mailings to its customer base
2) Participation in over 20 Lucent DEFINITY PBX User Group (a company-sponsored initiative) meetings on NANP issues
3) Sponsored Analyst/Consultant briefings on proposed NANP changes
4) Held regional meetings/briefings for Lucent customers

5) Participant at Bellcore seminars on NANP changes
6) Participant at industry seminars on NANP changes
7) Participant at FCC-initiated NANP National awareness day (11/1/95)
8) Participated as subject matter expert for media and industry publications as NANP advocate for AT&T/Lucent
9) Conducted over 100 individual customer briefings on NANP in Lucent briefing centers
10) Provided NANP updates in user-provided newsletters

In most cases (all Lucent/AT&T software-driven PBXs, first manufactured in 1970s), the step required was a software upgrade. For a very small number of Lucent's known customers (using wired-logic electro-mechanical PBXs), the change required rewiring.

Question #4. The cost to upgrade a system to support 4 digit CICs:
(a) an estimate of $___ per system
(b) an estimate of time per system _____.

Network switches:

Cost/pricing information is Lucent Technologies proprietary.

PBXs:

As previously stated in the press throughout 1993-1995, the cost to the significant majority of Lucent PBX customers who needed a software modification was 1-5% of the purchase price of the PBX. This modification enables the customer's communications system to recognize the new area codes as well as 4-digit CIC codes. In the majority of cases, Lucent estimated that it would take approximately one hour of down-time for a technician to load the new software with the NANP modifications. If hardware was required, additional time would be required.

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Thank You!

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